

Response to Office Action  
Dated March 10, 2004

Appln. No. 09/998,961

- 3 -

July 30, 2004

Amendment to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1 (previously presented). A graft compatible with living animal tissue, said graft comprising a thin flexible elongated tubular substrate having attachment regions positioned at each end, said attachment regions being biocompatible with said tissue and engageable therewith for attachment of said substrate thereto, a plurality of pores extending throughout said attachment regions, said pores being sized to promote growth of said tissue within said pores and thereby across said attachment regions, to sealingly attach said substrate to said tissue, said substrate comprising a plurality of woven filamentary members, said pores being defined by interstices formed between said filamentary members, said filamentary members comprising said attachment regions being woven with fewer filamentary members per unit area than said filamentary members comprising a portion of said substrate between said attachment regions and forming said pores adapted to promote growth of said living animal tissue, said portion of said substrate between said attachment regions having interstices sized relatively smaller, thereby making said portion between said attachment regions substantially impermeable to fluids.

Claims 2-4 (canceled).

5 (previously presented). A graft according to Claim 1, wherein said tube is a bifurcated tube.

Claim 6 (canceled).

7 (previously presented). A graft according to Claim 1, wherein said pores extending throughout said attachment

Response to Office Action  
Dated March 10, 2004

Appln. No. 09/998,961

- 4 -

July 30, 2004

regions are sized to provide a permeability of about 1000 cc/cm<sup>2</sup>/min for promoting growth of said living animal tissue across said attachment regions, said portion of said tube between said attachment regions having a permeability of about 300 cc/cm<sup>2</sup>/min and being substantially fluid impermeable.

8 (previously presented). A graft according to Claim 1, wherein said filamentary members comprising said attachment region have a coating which promotes healing of living animal tissue.

9 (original). A graft according to Claim 8, wherein said coating is selected from the group consisting of thrombin, collagen and silicone.

Claims 10, 11 and 12 (canceled).

13 (currently amended). A graft according to Claim ~~±0 1~~, wherein said pores have an average size between about 100 microns and about 200 microns in diameter.

14 (currently amended). A graft according to Claim ~~±0 1~~, wherein ~~said membrane comprising said~~ attachment regions ~~has~~ have a coating which promotes healing of living animal tissue.

15 (original). A graft according to Claim 14, wherein said coating is selected from the group consisting of thrombin, collagen and silicone.

Claims 16-29 (canceled).

30 (previously presented). A graft according to Claim 1, wherein said substrate comprises a plurality of first filamentary members formed of a first material, said attachment region comprising a plurality of second filamentary

SYNNESTVEDT & LECHNER LLP

Response to Office Action  
Dated March 10, 2004

Appln. No. 09/998,961

- 5 -

July 30, 2004

members formed of a second material different from said first material, said second material having a characteristic eliciting a healing response from living animal tissue.

31 (original). A graft according to Claim 30, wherein said second material is selected from among the group consisting of nylon, polypropylene and polyethylene.